

Request for Proposals

SFY 2004 Section 319 (h)

NPS Grants for Nonpoint Source Pollution Control



MAIL ALL PROPOSALS TO:
New Jersey Department of Environmental Protection
Division of Watershed Management
Bureau of Evaluation and Management:
Statewide Nonpoint Source (NPS) Program
401 E. State Street- 4th Floor East Wing
P.O. Box 418

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Section 1 - Nonpoint Source Pollution Grants

Program Overview

1.1 Introduction

The New Jersey Department of Environmental Protection's (Department) Division of Watershed Management (Division) is seeking proposals for nonpoint source (NPS) pollution control projects for State Fiscal Year (SFY) 2004, pursuant to Section 319(h) of the federal Clean Water Act (Act). Congress amended the Act in 1987 to establish a Nonpoint Source Management Program under Section 319(h). Pursuant to this section of the Act, states, territories, and Indian tribes may receive federal grant money from the U.S. Environmental Protection Agency (USEPA) to support a wide variety of nonpoint source pollution control-related activities including technical assistance, financial assistance, education, technology transfer, demonstration projects, and monitoring to assess the success of specific nonpoint source implementation projects. According to state reports¹, nonpoint source pollution is the Nation's largest source of water quality problems.

1.2 Grant Processing Schedule

Proposals for Section 319(h) grant projects must be postmarked or stamped "received" (if hand delivered) by Friday, August 15, 2003. Proposals must be sent to the Division's Statewide Nonpoint Source (NPS) Program, presently administered by the Bureau of Evaluation and Management, which will function as a NPS grant "clearinghouse". Applicants interested in submitting a proposal for consideration should contact the appropriate Watershed Management Area (WMA) Manager (identified in Appendix A) to discuss project logistics prior to submission. Proposals will be reviewed and scored based on the eligibility criteria provided in this guidance document and will coordinate an inter-departmental review of technical feasibility for all selected proposals. Written comments will be sent to applicants identifying any needed project modifications. Projects that are identified as fundable by the collaborative efforts of the Division and the inter-Departmental Technical Review Committee (TRC) will then be sent back to the applicants, postmarked by Wednesday, October 1, 2003 for any modifications that may be necessary. The modified project proposals must be returned to the Division's NPS Program by Monday, November 3, 2003, in accordance with the original guidance. Applicants may schedule meetings with the TRC to discuss revisions or other project issues prior to Monday, November 3, 2003. WMA Managers will then distribute the modified, fundable projects to all existing WMA Public Advisory Committees (PACs) by Monday, December 1, 2003 and will coordinate PAC project review. PAC comments and recommendations must be submitted to the NPS Program by Friday, January 30, 2004 to be considered in the final project selection process.

¹ United States Environmental Protection Agency. *What is Nonpoint Source (NPS) Pollution?* EPA-841-F-94-005, 1994. 07/09/03

Grant Processing Schedule At A Glance

DEADLINE	STEP
August 15, 2003	Proposals due to Division's Statewide NPS Program
October 1, 2003	Eligible proposals sent back to applicants for modification (if needed)
November 3, 2003	Modified projects due back to the NPS Program
December 1, 2003	Division WMA Managers distribute proposals to PACs
January 30, 2004	PAC recommendations sent to NPS Program
March 15, 2004	DEP makes final funding decisions

1.3 Funding Priorities

*The New Jersey Nonpoint Source and Stormwater Management Program Plan, December 2000*² (Plan), approved by USEPA, specifically identifies stormwater management and municipal stormwater permitting as part of New Jersey's statewide long-term approach for prevention of NPS pollution over the next 15 years. Many of the NPS pollution control and stormwater management measures recommended under the Plan may be implemented through or in tandem with the Municipal Stormwater Regulation Program. Thus, implementation of municipal stormwater permitting is one of the Department's top priorities for 319(h) funding.

A recent amendment to Section 319(h) allows the Department to pass through funding from both federal 319(h) funds and the state's Corporate Business Tax to municipalities of the State to help implement the proposed New Jersey Pollution Discharge Elimination System Phase II Municipal Stormwater Permitting Program (35 NJR 169(a)). This grant application guidance document applies to the disbursement of any remaining 319(h) pass-through funds not utilized for municipal stormwater permitting. These funds amount to approximately one million dollars and will be available for priority projects as defined below. Please note that the NJDEP is also currently petitioning the U.S. Environmental Protection Agency for approval to use these remaining funds for the implementation of the proposed Municipal Stormwater Permitting Program.

Based on current statewide priorities, eligible projects must accomplish one or more of the following objectives:

Implement NPS pollution controls or stormwater BMPs identified in an established or adopted Total Maximum Daily Load (TMDL) implementation plan³;

- Implement NPS pollution controls or stormwater BMPs identified in a Department-approved Regional Stormwater Management Plan or develop a Regional Stormwater Management Plan⁴;

²The New Jersey Nonpoint Source and Stormwater Management Program Plan, December 2000 can be found on the Division website at <http://www.state.nj.us/dep/watershedmgt/>, under Nonpoint Source Program.

³ By September 2003, NJDEP will have adopted 166 TMDLs for fecal coliform and 35 phosphorus lake TMDLs. A list of waterways for which the development of a TMDL is scheduled is available on the Department website at: <http://www.state.nj.us/dep/dsr/watershed/integratedlist/integratedlist.htm>.

⁴ Guidance regarding stormwater management and water quality measures is available on the Division website at <http://www.state.nj.us/dep/watershedmgt/>, under Nonpoint Source Program (official guidelines for 319 SFY2004 can also be found at this site). "NJ Best Management Practices for Control of Nonpoint Pollution from Stormwater", "Restoration of Urban Streams: Practical Evaluation of Options for 319(h) Funded Projects", and "Development of Regional Stormwater Management Plan Guidelines"

- Reduce NPS loads and/or sources in impaired waters of the state identified on Sub-List 5 of the *New Jersey 2002 Integrated Water Quality Monitoring & Assessment Report*¹
- Restore, maintain or enhance Category I waters or Ambient Biological Monitoring Stations⁵
- Implement NPS pollution controls or stormwater BMPs identified in a Department-approved watershed management plan or action strategy or required by the Department pursuant to Executive Order 109 (2000)⁶
- Implement stormwater management and/or water quality measures identified under previous Department-approved or funded NPS or water quality assessments.

1.4 Qualifications for Eligibility

Entities that have the resources to organize multiple municipalities, such as counties and Soil Conservation Districts, are strongly encouraged to seek funding to implement the types of eligible projects listed under 1.3, above. In order to be eligible for SFY '04 319(h) grant funds, the applicant must have:

- Staff and resources with the capability, expertise and environmental experience to perform the proposed work;
- Ability and authority to implement the proposed project; and
- Ability to establish and maintain partnerships to ensure project implementation as well as long-term operation and maintenance/management.

Entities that may be eligible for funding include but are not limited to:

- Municipal planning departments or boards, health departments or boards;
- County planning departments, health departments or boards;
- Designated water quality management planning agencies;
- State and regional entities entirely within New Jersey;
- State government agencies, universities and colleges;
- Federal government;
- Interstate agencies of which New Jersey is a member;
- Intrastate regional entities; and
- Watershed and water resource associations and other local nonprofit 501(c)(3)

1.5 Ineligible Activities

Section 319 funds may not be used for the following purposes:

- Purchase of land, major capital improvements;
- Purchase of food or promotional items;
- Implementation of any permit or permit application requirements of Federal, State, or local agencies other than Tier A Municipal Stormwater permit NJ0141852;
- Implementation of activities required by the NJPDES regulations other than municipal stormwater permitting rules;
- Implementation of lake dredging, weed harvesting, or dam maintenance without addressing the sources of the NPS pollutants causing the impairment; or
- Ineligible activities based on current EPA guidelines for Section 319(h) grants⁷

⁵ A list of Ambient Biological Monitoring Stations is available on the Department's website at:

<http://www.state.nj.us/dep/wmm>.

⁶ EO 109 is available on the Division's website at <http://www.state.nj.us/dep/watershedmgt/rules.htm>.

⁷ EPA has developed guidelines that describe the process and criteria to be used to award Clean Water Act (CWA)

Section 319 nonpoint source grants to States and Territories, these can be found at

<http://www.epa.gov/owow/nps/cwact.html>.

In addition, Section 319(h) funds may not be used on private lands, with the exception of demonstration⁸ projects and where maintenance, access, and conservation easements have been legally obtained from the lawful owner of the area by an eligible entity.

Section 2 – Proposal Requirements

NOTE: 3 hard copies including an electronic copy MUST be submitted to the address below by August 15, 2003. Faxes and e-mails will NOT be accepted.

2.1 Proposal Submission

Complete proposals for Section 319(h) grant projects must be postmarked or stamped “received” (if hand delivered) to the following address no later than August 15, 2003.

**New Jersey Department of Environmental Protection
Division of Watershed Management
Bureau of Evaluation and Management-Statewide NPS Program
401 East State Street, PO Box 418
4th Floor, East Wing
Trenton, New Jersey 08625
Attn: Time Sensitive SFY '04 319(h) Grant Proposal**

2.2 Components of a Complete Proposal

A complete proposal must contain all of the elements described below.

2.2.1 Cover Page

The cover page must include the following information:

- Project Title
- Identify the name and Hydrologic Unit Code (HUC) 11 of the watershed in which the project is located
- Grantee’s name, address, and phone number
- Contact Person’s name, address, phone number, fax number, and e-mail
- Names of all persons and/or organizations serving as project partners
- Total Project Cost
- Grant amount requested

2.2.2 Abstract

The proposal must include a brief abstract of the project that includes a summary of the information contained in the scope of work (see detailed description below), including a description of the project area, but can also serve as a stand-alone document.

⁸ Demonstration projects are those that apply new, innovative methods to address NPS pollution.
07/09/03

2.2.3 Scope of Work Content (maximum of 4 pages)

The proposal must include a scope or work that includes all of the elements described below but does not exceed 4 pages in length. (The cover page and abstract are not counted towards the length of the scope of work.) Any reference photos and/or maps should be added as an appendix and should not be included in the 4-page scope of work. All proposals shall adhere to the scope of work format provided below with the exception of Regional Stormwater Management Plans (RSWMPs). RSWMPs shall follow the scope work provided in Appendix B.

A. Background: Project Justification and Problem Definition (Gap Analysis)

Describe why the project is needed, the scope of the problem, and/or current condition of the watershed (non-impaired, moderately impaired, impaired), as defined by the Department in the Department's Integrated List (2002)³. Define the desired result that this project will seek to achieve.

B. Provide a Statement of Need (Root Cause Analysis): What's causing the problem?

Identify the causes or obstacle(s) that contribute to or are causing the gap between the current condition(s) and the desired result. Explain how implementing this project will address the root cause of the problem and work towards achieve the project's goal by implementing measures that work towards closing the "gap" that exists between current conditions and desired outcome. Give background water quality information if available. The Statement of Need should provide data from multiple sources that answer the following questions:

- What is the problem?
- Where does the problem occur?
- When does the problem occur?
- Who is affected by the problem?
- What is the extent of the problem (numbers affected, percent of occurrence)
- How long has the problem existed?
- Is this project part of another local, state, or federal initiative? How does it coordinate with the other plan(s) or initiative(s)?
- What is your organization's history of involvement with the problem, need or issue (may include experience of project partners as well)?
- What will the consequence be if the need or problem is not addressed?

C. Goals and Objectives Statements

The Goals and Objectives statements should first identify the project goal(s) and then the related objectives. The steps that are taken to meet the goal serve as the methodology to close the "gap" identified under Section I. Section IV should also include a narrative description of the work to be accomplished.

The goal statement should:

- Identify the desired outcome(s) related to your identified problem or need,
- Serve as a general statement of results.

Objectives describe the outcomes in a measurable way, they are not about the tool you are using to implement your project. Objectives specify:

- The results to be achieved or criteria by which results will be measured (i.e. 25% of a targeted population's improvement in knowledge or 25% reduction in phosphorous loading).
- Time frame for achieving the objective.
- Specific target group toward which the service or program is directed.

Tasks are concise statements of activities, which need to take place to achieve the desired goal(s). They serve as the steps you will take to meet the project goal and objectives. Tasks should:

- Demonstrate who will be responsible for each task (including your partners)
- Identify your and your partner's role in achieving the objective

D. Measurable Outcome: Desired Result (Indicator of Success)

Explain how you will incorporate a measurable component to evaluate the effectiveness of project efforts. Evaluation is a management tool; its purpose is to:

- improve project performance
- develop new knowledge and
- increase accountability and responsibility to document project activities and outcomes

An **outcome** should be evaluated not an output. Emphasis is placed on evaluation of the achievement of project goals and objectives not on counting or documenting the number of services delivered by the project. Refer to Section 3 of this guidance for detailed information.

2.2.4 Project Implementation Schedule

A complete proposal must include a project schedule (following the table format provided below) that lists outputs/deliverables, tasks and responsible parties. The schedule should describe the total duration of the project from commencement to completion (usually between two and five years) and should include a breakdown for each phase/key task of the project including: administrative start time, monitoring needs (e.g. seasonal conditions, length of time for significant data, rainfall needs), all required paperwork and legal review, project completion and evaluation of the outcome, described above, and preparation and submission of the final report. A goal/task table must be included with the project schedule that contains the following information for each goal of the project:

- Specific tasks to be implemented and who will be responsible for each task;
- Start dates and completion dates for each task;
- Quantified specific outputs, such as reports, manuals, vides, maps, meetings, etc.;
- The anticipated timeframe for achieving each project goal.

Project Implementation Schedule

Project Output (Deliverable): COMPLETION MONTH/YEAR				
TASK	Responsible Party	Timeframe	Anticipated Start Date	Anticipated Completion Date
Task 1	Lead Agency	Months	Month/Year	Month/Year
Task 2	Partner's Name	Months	Month/Year	Month/Year
Task 3	Partner's Name	Months	Month/Year	Month/Year

2.2.5 Letters of Resource Commitment

The Department encourages all grantees to seek out partners with whom they may join to achieve project goals and objectives. It is felt that partners are an essential component towards building success in achieving long-term watershed goals. Attach letters of resource commitment from all partners and project participants. The partners that will become involved should be reflected in the 'tasks' portion of the Project Implementation Timeline. The letters from your partners should describe their commitment to the project (time, money, effort). Letters of resource commitment must be included with the grant proposal or the DWM cannot guarantee that they will be taken into consideration. If any partner is no longer involved with the project, or if new partners are added during the implementation of the project, a letter from the applicant explaining the change shall be submitted to the DEP in the subsequent quarterly report.

2.2.6 Budget

This section of the proposal must describe the methodology used to develop the total project cost, and include a detailed budget. The following categories are required in the budget (if applicable):

- Salaries
- Benefits
- Travel @ 0.31 cents per mile
- Equipment (list)
- Administration (rent, phone, etc.)
- Contractual Services
- Construction (related to implementation of BMPs)

2.2.7 Proposal Submission Checklist

The following Proposal Submission Checklist is also required to be completed and included with the project proposal (See Appendix C for form):

- USGS or State Plane map with project area delineated on it
- Lot and block from a tax map
- Sketch/site plan or large-scale map showing project-area in detail
- List of required permits, if known
- Photos, if applicable, i.e. streambank stabilization, urban retrofit
- Details of biological and/or chemical monitoring plan
- Describe data source(s) and how, where, and why data will be collected. Existing resources and data must first be assessed to prevent a duplication of effort and to evaluate both the sources and solutions of the NPS pollution being addressed. Data must be reported in both hard copy as well as electronic copy e.g. Microsoft word document or Excel spreadsheet.

2.2.8 Monitoring and Evaluation Information

In order to document and support the information provided under Item 2.2.3.D of the scope of work (Measures of Success), some element of monitoring and evaluation will be required and must be explained in the project proposal. While all projects must include a description of how the project success will be measured, not all projects will involve traditional chemical water quality monitoring.

For example, if a project proposes to restore a riparian corridor for the purpose of restoring an aquatic life use such as turtle habitat, the proposal must include a description of the steps to be taken to document the before and after conditions and to evaluate whether or not the goal (i.e. restoration of the specific aquatic life use) has been successfully achieved.

Where chemical water quality monitoring is necessary to measure the success of the NPS implementation project, information on sampling procedure, monitoring parameters, location of sampling sites, frequency of collection, data usage, data format and costs must be included with the application. Water quality monitoring will be funded only to address data gaps in the Department's existing monitoring and assessment programs or for specific assessment of project success. All chemical water quality monitoring must follow Department protocol and, once determined eligible for funding, must include a Quality Assurance/Quality Control (QA/QC) plan approved by the Department (See Section 5.1.2 for more information). Monitoring QA/QC plans do not have to be developed until an applicant has been notified that the project has been selected for funding.

Where biological monitoring is necessary to measure success of the NPS implementation project, the applicant must work with the appropriate WMA Watershed Ambassador. The New Jersey Watershed Ambassadors Program is a community-oriented Americorps environmental program designed to raise awareness about watershed issues in New Jersey. The Watershed Ambassadors assist Department staff in implementing a statewide volunteer monitoring program. Watershed Ambassadors are trained to lead River Assessment Teams (RATS) and Biological Assessment Teams (BATs) that provide supplemental monitoring for New Jersey's rivers. (Please see Appendix D for more information.)

2.2.9 Project Type Specific Information

Dependant upon the type of project being proposed, additional information may also be required as part of the project proposal. For example, supporting documentation is required for the use of a specific manufactured treatment device (i.e. a commercially developed water quality treatment device such as "Stormceptor", "Snout", "Vortech", "Stormwater Management", "Downstream Defender", etc.). When considering a manufactured treatment device (commercially developed water quality treatment device), please note that the Department does not endorse the use of any particular product and strongly advocates that the vendors of such devices to pursue the Verification Protocol under the Department's Office of Innovative Technology and Market Development. Preference will be given to technologies that have entered or been verified through this protocol. If the technologies under Verification are not applicable to the project, preference will be given to those committed to the protocol process. Please see refer to the protocol in *Stormwater Best Management Practices Demonstration Tier II* which may be downloaded at <http://www.state.nj.us/dep/dsr/oitmd/DocumentMain.htm> for information on the verification procedure. Additional information regarding the Verification process can be obtained from Manish Patel at the Office of Innovative Technology and Market Development at (609) 292-0231. Documentation supporting the decision to use a particular device must be included in the project proposal.

2.2.10 Geographic Information System Data

Any projects that involve activities using a GIS data or mapping component must follow the Department's *Mapping and Digital Data Standards*, (2002) which may be found at

www.state.nj.us/dep/gis. If the applicant involved is not capable of following this guidance, the costs associated with GIS are not eligible for funding.

Section 3 Evaluation and Management

3.1 Guidance for Measures and Indicators of Progress and Success

Over the past few years, the Department of Environmental Protection has been moving toward a results-based management approach for all of its environmental programs. This new approach is consistent with new USEPA directives to place a new emphasis on measurable environmental results for its 319(h) NPS grant program. With the publication of this guidance, which requires all proposals to include methods and indicators for measuring project progress and success, New Jersey will continue to implement this new approach for all of its pass-through grant funds. Results-based performance information will allow the Department to measure the efficacy of its grant funded projects and, collectively, of New Jersey's Statewide NPS program. Beginning in SFY '04, all 319(h) grant project proposals will be evaluated on their ability to measure and achieve NPS pollution reductions.

The following are examples of environmental objectives and the types of measures that may be used to document project success:

Objective: WQ Improvement From NPS Controls (i.e. Use Attainment)

- Number of river/stream miles, lake acres, and estuarine and coastal square miles that fully support all designated beneficial uses.
- Number of river/stream miles, lake acres, and estuarine and coastal square miles that come into compliance with one or more designated uses (e.g., a river segment that is neither fishable nor swimmable becomes fishable), or with one or more numeric water quality criteria (e.g., achieve a criterion for phosphorous while continuing to exceed a criterion for nitrogen).
- Demonstrable improvements in relevant surface and ground water quality parameters.
- Demonstrable improvements in biological or physical parameters (e.g., increase in diverse fish or macroinvertebrate populations, or improved riparian areas or other measures of habitat).
- Opening of previously closed shellfish beds and beaches.
- Lifting of fish consumption advisories
- Prevention of new impairments (e.g., number of river miles removed from the Integrated Reports, or number of miles of high-quality waters protected).

Objective: NPS Pollutant Load Reduction

- Reductions in pollutant loadings (e.g., by load or percentage reductions) from NPS in priority watersheds identified.
- Statewide reduction in NPS pollutant loadings.
- In the case of NPS pollution that may result from activities conducted in the future, prevention or minimization of new loadings, and/or offset of new loadings by reductions from existing sources.

- A reduction in frequencies or prevention of increases, of peak flows in developing or developed areas.

3.2 Ownership/Proprietary Rights

PLEASE NOTE: All information generated during the course of each 319 (h) project or materials purchased through 319 (h) funds must be provided to the Department in an acceptable format. This includes data collected, maps generated, and any equipment purchased with these grant funds to implement the project, etc.

Section 4 Proposal Evaluation

Many applicants have asked that the Department advise them of how their projects will be evaluated. The following evaluation criteria and scoring process have been provided to acquaint the applicant with the Department's project selection process.

4.1 Proposal Evaluation Criteria (See score sheet on page 13)

Section 5 Additional Information

5.1 Submittal Requirements for Projects Selected for Funding

All projects selected for funding must submit the following if applicable:

5.1.1 Maintenance and Monitoring Agreement

In order to insure the success of any nonpoint source implementation project provided with 319 (h) funds, a Maintenance and Monitoring Agreement will have to be executed before the project can begin. This agreement will delegate maintenance and monitoring responsibilities, describe timetables by which these functions will be carried out, and detail tasks performed to accomplish the continuing functionality of the implementation project. Please see Appendix F for an example skeleton agreement for more information.

5.1.2 Quality Assurance/Quality Control Plan

All selected projects that include environmental monitoring, measurements, or data generation must have a quality assurance/quality control (QA/QC) plan approved by the Department before any monitoring, measurements, or data generation is initiated. For projects that involve water quality data, the QA/QC plan will include a project specific monitoring plan. Monitoring should be consistent with the requirements of the Verification Protocol, and the QA/QC requirements of the Department. Information regarding QA/QC project plans can be found at www.epa.gov/quality/qs-docs/g5-final.pdf.

319 NPS Score Sheet

1. Priorities: Project addresses one or more of the following priorities [Maximum score of 25 points under this category for any one project]

A) TMDL Implementation: Project will implement NPS pollution controls or stormwater BMPs identified in an established or adopted Total Maximum Daily Load (TMDL) implementation plan and will thus result in the reduction of NPS loading to an impaired water body. Score: _____

B) Category 1 Waters: Project will restore, maintain or enhance Category 1 waters. Score: _____

C) Sub-List 5: Project will reduce NPS loads and/or sources in impaired waters of the state identified on Sub-List 5 of the *New Jersey 2002 Integrated Water Quality Monitoring & Assessment Report*. Score: _____

D) Regional Stormwater Management Plans: Project will implement NPS pollution controls or stormwater BMPs identified in a Department approved Regional Stormwater Management Plan or develop a Regional Stormwater Management Plan pursuant to the guidance provided in Appendix B. Score: _____

2. Project Design [Maximum score of 25 pts.]

A. Nature, Extent, and Understanding of the NPS Problem [Maximum score of 15 pts.]

Consideration will be given to the description of, as well as the actual nature and extent of the NPS pollution to be treated, the applicant's description of how the BMP will address the NPS impairment, and the Department's concurrence of the effectiveness of the selected BMP(s). Score: _____

B. Project Viability [Score: Maximum of 10 pts.]

Projects will be judged for their ability to achieve high levels of pollutant load reduction as well as the long term sustainability of high removal levels and overall likelihood for project success. Projects that are well designed to achieve the project goal, are presented in the proper sequence of events (goal/objective/task) and have well thought out long term maintenance and monitoring will score well in this category. Score: _____

C. Cost Effectiveness [Score: Maximum of 10 pts.]

Project costs will be evaluated overall for the maximum attainment of pollutant reduction per dollar spent as well as average costs for products and services proposed. Score: _____

3. Applicant Resources, Ability, Past Performance, and Presentation [Score: Maximum of 10 pts.]

Applicants must demonstrate that they have all the necessary resources and ability to perform the proposed project in a well organized, concise, detailed project proposal. If the applicant has been funded previously by the Division, past performance will be taken into consideration. Timeliness, cooperative with Department staff and partners, and goal achievement will all factor into this score. Score: _____

4. WMA Public Advisory Committee (PAC) Recommendation [Score: Maximum of 10 pts.]

Points of this type will be awarded based on the recommendation and evaluation provided by the PAC in the project appropriate watershed. Score: _____

5. Evaluation and Management [Score: Maximum of 10 pts.]

Proposal must describe ability to measure and document effectiveness of implementation and long-term management of the environmental improvement achieved. Score: _____

6. Innovative Approach/Technology [Score: Maximum of 10 pts.]

Applicable only to projects that will demonstrate an innovative method or practice that is more practical, cost efficient, or effective in pollutant removal than existing technology. Scoring will be based on effectiveness and feasibility of the new technology as well as approval by the Department's Office of Innovative Technology and Market Development. Score: _____

7) Other Funding/In-Kind Services [Score: Maximum of 10 pts.]

Although a match is not required for projects to be funded, additional points will be added if funding or services will be contributed by other entities. This type of support demonstrates a long-term commitment to overall project success. Points are based on the percentage of in-kind services or match that will be committed by the applicant and/or partners to participate in or fund the project. Score: _____

PROJECT TOTAL [Maximum 100 pts.]

FINAL SCORE: _____

5.2 Watershed Management Area Public Advisory Committee Reporting

Lead entities of funded Section 319 (h) projects are required to report out their project status halfway through the project duration and again when the project is completed. PACs will serve as an additional oversight committee to enhance project functionality as well as provide the DWM with feedback as to the grantee's participation with the committee and public involvement. The PACs will prepare comments and recommendations on the project that the applicant will be required to submit to the DWM with the Quarterly Report for the midpoint presentation and the final report for the grant to be completed. For more information on the PAC process, meeting dates, times, and places, please contact the area managers for the appropriate watershed found listed in Appendix A.

5.3 Grant Reporting Tracking System (GRTS) Reference Data

The EPA requires that the following information be provided for each project for the purpose of tracking and evaluating the grant program. This information will be required to be provided for projects identified as fundable.

- Project Title:
- 319(h) Base Funds/319(h) Incremental Funds: to be determined by the Department
- Project Start Date:
- Completion Date:
- Primary NPS Category of Pollution (Appendix F):
- Secondary NPS Category of Pollution (Appendix F):
- Primary NPS Functional Category of Activity (Appendix G):
- Type of Waterbody
- Clean Lakes Information (if applicable, i.e. Ponds, Lakes, Reservoirs):
- Stream Reach Code (Obtained from www.epa.gov/waters and locating your project on the map):
- BMP Implementation Project (for nutrients, sediment) check-off yes or no. If yes, then a load reduction estimate must be entered.
 - Load Reductions (Nutrients and/or Sediment)
 - Required for projects addressing nitrogen (lbs/year), phosphorus (lbs/year), and sediment (tons/year).
- Modeling or Monitoring (check-off)
 - Indicate whether project used monitoring or modeling to estimate load reductions. There is also a 'Not Applicable' option.
 - Name of Model
 - Enter the name of the model used to do the load reduction estimates, or enter 'Not Applicable'.
- Wetlands/Streambanks/Shorelines
 - Wetlands restored (acres)
 - Wetlands Created (acres)
- Streambank and Shoreline Protection (feet)
 - Stream Channel Stabilization (feet)
- Project TMDL Status (check off one):
 - Developing a TMDL(s) _____
 - Developing a TMDL implementation plan(s) _____
 - Implementing a TMDL(s) _____

- Project does not address a TMDL(s) _____
- Expenditure breakdown for main source categories in Primary Category of Pollution field
Enter the percentage of dollars for each aspect of the project in the 'Primary Category of Pollution' field. Entered at project closeout.
- Best Management Practices
 - List BMP(s) installed or Not Applicable.
- Pollutant Type
- List pollutant(s).
- Project Description (same as abstract)

5.4 Quarterly Performance Reports

Performance reports shall be submitted to the Division on a quarterly basis that provide an update and explanation of the project status. This report must follow the format below:

Title Page or Cover

Title of Project

Contact person or project manager/address/telephone number of grantee

Report Period

Watershed Management Area Public Advisory Committee Comments: Only required for one quarterly report and final report (see Section 5.2 for more information).

Summary of Progress to Date: Must include major project activities implemented, number of sites addressed, progress in attainment of the project objective, timelines, percentage of task complete, etc.

Slippage Report: Must describe any slippage in project timeline or budget along with an explanation and revised timetable, budget, and new completion schedule. Please note that project no cost time extensions must be applied for through the project manager and will only be granted when the grantee has demonstrated unforeseeable project setbacks. No project will be granted more than one no cost time extension unless an exception is given from the Director of the Division.

Problems/Issues: Must describe any problems encountered in project implementation, such as unanticipated events and their consequences, along with a description of the solutions applied (should cross-reference the slippage report is applicable).

Additional Information:

- Summary of Activities Planned in Next Project Period
- Attachments (as appropriate)
- Surveys
- Monitoring data and/or results
- Attendance sheets

5.5 Expenditure Report

An expenditure report also known as Attachment C in the executed grant agreement is required to be submitted with every quarterly report. If there are no expenditures for the work period, the

Expenditure Report must still be submitted indicating \$0 in the total. Fiscal Information should include: time sheets, phone logs, mileage logs, bills, and receipts for expenditures related to the project

5.6 Final Report

A hard copy and an electronic version of the final report must be submitted to the NPS Program and the project manager upon the completion of the project. The Division must deem the report acceptable prior to the release of final payment to the grantee. The following format shall be used:

Front Cover /Title Page

- Project Title
- Project Identification Number
- Identify the watershed's HUC 11 number and name in which the project is located
- Grantee's name, address, and phone number
- Name/address/telephone number of organization completing the project
- Project Partners names and addresses
- Date of the Report
- Date of Project Completion
- Watershed Management Area Public Advisory Committee Comments (See Section 5.2 for more information)

Identification and Disclaimer

Identification of funding sources and disclaimer (if required)

Executive Summary

A brief abstract of the project that can also serve as a stand-alone document and includes the following information:

- Description of project area
- Summary of the existing conditions addressed
- A brief summary of the overall project (i.e., its goals, methodology, locations affected, time frame)
- Highlight major results or outcomes of the project
- Project implications and recommendations

Evaluation Approach and Methodology

Presents a brief background on the method for evaluating project success, possible applications of results, and includes the following:

- List of major questions answered by the evaluation
- Describes the overall evaluation design and schedule of data collection
- Describes the evaluation techniques and targets and why those approaches are an appropriate measure of success.

Results of Project and Evaluation

The project evaluation should include items outlined in the *Measures and Indicators of Progress and Success* (pages 11&12 of guidelines), as well as the following information:

- A summary of results
- Presents detailed evaluation of findings, including relevant tables, graphs, charts
- Provides breakdown of findings by relevant variables

- Integrates results from multiple qualitative and quantitative data sources
- Implications and Recommendations
- Presents implication of the project
- Makes specific recommendations for future action
- Suggests means for disseminating project results
- Describes strategies for assuring utilization of project results

Appendix A

NJDEP - DWM Primary NPS Program Contacts

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Topical Contacts

GIS

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Bureau of Geographic Information and Analysis
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Email: gisnet@dep.state.nj.us
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Monitoring QA/QC

Marc Ferko
Environmental Regulation
(609) 633-2854
Marc.Ferko@dep.state.nj.us

Innovative Technologies

Division of Science, Research and Technologies
Office of Innovative Technology and Market Development
Phone: (609) 984-5418
Internet: <http://www.state.nj.us/dep/dsr/>

*Appendix B***Regional Stormwater Management Plan Guidance**

This guidance has been developed by the New Jersey Department of Environmental Protection's Division of Watershed Management to assist grantees in developing a scope of work that includes milestones that serve as logical benchmarks for the Department to assess progress made for each task necessary to create a viable Regional Stormwater Management Plan. Upon the completion of each milestone the Department will meet with the grantee to discuss progress made and to make a determination whether the grantee shall continue to commence the next milestone. While the Department encourages the grantee to seek funds commensurate with the cost of completing all milestones, it is at the discretion of the Department to obligate those remaining funds to the grantee. This determination will be made based upon quarterly progress reports and the outcome of each milestone meeting.

All scopes of work to develop a Regional Stormwater Management Plan (RSWMP) must include the following items:

1. The objective that the grantee is anticipating will be addressed through the implementation of the RSWMP. The scope of work must recognize that the objectives of the RSWMP may change depending on the outcome of the detailed characterization and assessment required for the development of the RSWMP.
2. It must indicate that the quarterly reports will include a report on the milestones for that quarter and will discuss any changes in the schedules proposed under this scope of work. The quarterly report must include any meeting minutes of the RSWMP Committee.
3. It must include a minimum of three letters or resolutions from local agencies, indicating their commitment to participate in the RSWMP committee.
4. The scope of work must contain the following milestones and task breakdown outlined below:

Milestone #1: Submit for recognition as a RSWMP

As part of the requirements for a RSWMP in the proposed Stormwater Management (SWM) rules at N.J.A.C. 7:8, the grantee will be responsible for the formation of the RSWMP Committee. This committee shall be responsible for designating a Lead Planning Agency (LPA) which will then be recognized as the primary contact for the committee. The Lead Planning Agency must submit a request for recognition as a RSWMP committee to the Department. When the LPA is prepared to submit for formal recognition as a RSWMP Committee, the grantee will schedule Coordination Meeting #1 with the LPA (if designated as a different entity from the grantee) and with the Department Project Review Team (Department grant manager, Department RSWMP project manager, and Department technical staff) in order to discuss progress and next steps. The LPA shall submit 2 copies of the information required for recognition as a RSWMP Committee at that meeting. The information for recognition must include a draft work plan with a schedule for the completion of specific tasks and milestones necessary to complete that RSWMP.

Please note: The LPA will have to pass a formal resolution stating the agency's commitment to the project. The resolution must state that the agency will continue to provide support and act as the LPA until the RSWMP is formally adopted into the areawide Water Quality Management Plan even though the contract with the grantee will formally close at the end of the review/revision period when the letter of acceptance from the Department is received and the amendment is proposed by the LPA.

Milestone 1: Submission for Recognition as a RSWMP Committee Coordination Meeting #1				
TASK	Responsible Party	Timeframe	Anticipated Start Date	Anticipated Completion Date
Task 1: Membership Invitations and Follow-Up	Grantee	Months	mm/yy	mm/yy
Task 2: Committee Formation	Grantee	Months	mm/yy	mm/yy
Task 3: Designation of Lead Planning Agency (LPA)	RSWMP Committee	Months	mm/yy	mm/yy
Task 4: Draft Work Plan and Schedule for completing RSWMP	RSWMP Committee through the LPA	Months	mm/yy	mm/yy

Milestone #2: Characterization and Assessment of Drainage Areas

At the completion of Milestone #2, the grantee will submit a summary report of the items obtained and developed as part of the Characterization and Assessment to the project manager, as well as the checklist of the mandatory requirements. The Characterization and Assessment should be targeted to focus on the issues identified as the original objective, as opposed to the assessment of the entire drainage basin. If any portion of the information listed under NJAC 7:8-3.4(a)1 is not provided, the Characterization and Assessment Summary Report must provide the justification for this decision.

The grantee will schedule Coordination Meeting #2 with the review team assembled at the time of the first meeting to review the accomplished tasks and to discuss progress made to date.

Milestone 2: Characterization and Assessment of the Drainage Area & Submission of Findings Coordination Meeting #2				
TASK	Responsible Party	Timeframe	Anticipated Start Date	Anticipated Completion Date
Task 1: Mapping		Months	mm/yy	mm/yy
Task 2: Drainage Area Analysis		Months	mm/yy	mm/yy
Task 3: Assessment of Analysis Results		Months	mm/yy	mm/yy
Task 4: Resolution from the LPA		Months	mm/yy	mm/yy

Milestone #3: Drainage Area Specific Water Quality, Quantity, and Recharge Objectives

At the completion of Milestone #3, the grantee will schedule Coordination Meeting #3 with the Department Project review team. The grantee or LPA must be prepared to present how each requirement of the Characterization and Assessment was met and how the analysis was conducted. The grantee or LPA must also be prepared to present the objectives of the RSWMP, including addressing water quantity, water quality, and groundwater recharge impacts due to stormwater runoff; address how the stated objectives will improve the ranked problems identified; discuss the data needs identified to meet the objectives agreed upon by the RSWMP Committee; and address questions raised by the review team. The grantee or LPA may need to revise project scope of work based on the refined project objectives.

Milestone 3: Drainage Area Specific Water Quality, Quantity, and Recharge Objectives Coordination Meeting #3				
TASK	Responsible Party	Timeframe	Anticipated Start Date	Anticipated Completion Date
Task 1: Identification of water quality objectives		months	mm/yy	mm/yy
Task 2: Identification of water quantity objectives		months	mm/yy	mm/yy
Task 3: Identification of area groundwater recharge objectives		months	mm/yy	mm/yy
Task 4: Identification of other SW-related objectives, if any		months	mm/yy	mm/yy
Task 4: Submit Revised Scope of Work, if necessary		months	mm/yy	mm/yy

Milestone #4: Stormwater Management Measures and Performance Standards

At the completion of Milestone #4, the grantee will schedule Coordination Meeting #4 with the Department Project review team. The LPA should be prepared to present the stormwater management measures chosen to address the objectives identified under Milestone #3. The measures may include items such as the construction of stormwater management facilities, public education, and a stream corridor protection plan. The measures must include design and performance standards for new development to address stormwater quantity, stormwater quality, and groundwater recharge. The LPA should present the process of plan implementation.

Note: New stormwater management measures and performance standards do not have to be developed for stormwater quantity, stormwater quality, and groundwater recharge. The RSWMP committee can choose to focus on one or more of these issues, and utilize the standards in the NJAC 7:8-5. For example, the RSWMP analysis can focus on baseflow and aquifer recharge, and revise the groundwater recharge performance standard discussed in the rule. To address stormwater runoff quantity and quality, the RSWMP committee can decide to utilize those standards in the SWM rule.

Milestone 4: Stormwater Management Measures and Performance Standards Coordination Meeting #4				
TASK	Responsible Party	Timeframe	Anticipated Start Date	Anticipated Completion Date
Task 1: Identify drainage area design and performance standards		months	mm/yy	mm/yy
Task 2: Identification of stormwater management measures to achieve the objectives		months	mm/yy	mm/yy

Milestone #5: Submission of Completed RSWMP for Review

At the completion of Milestone #5, the grantee will schedule Coordination Meeting #5 with the Department Project review team. The grantee should be prepared to present the entire RSWMP including the implementation plan to the Department Project Review Team. At this meeting the LPA will submit the project to the Department for formal review.

Milestone 5: Submission of Completed RSWMP for Review Coordination Meeting #5				
TASK	Responsible Party	Timeframe	Anticipated Start Date	Anticipated Completion Date
Task 1: Implementation Plan Development		Months	mm/yy	mm/yy
Task 2: Preparation of the plan for submission to the Department		Months	mm/yy	mm/yy

Milestone #6: Revisions to the RSWMP to Address Review Comments

Upon the completion of Milestone #6, the grantee will schedule Coordination Meeting #6 with the Department Project Review Team. It is anticipated that the Department's Project Review Team may have additional questions or comments to be addressed by the LPA as part of the review process. The schedule should include time to address questions or comments by the Review Team. It is recommended that a period of 3-6 months may be appropriate. Milestone#6 will be completed when all the issues of the Review Team have been addressed to the satisfaction of the Department.

Milestone 6: Revisions to the RSWMP to Address Review Comments Coordination Meeting #6				
TASK	Responsible Party	Timeframe	Anticipated Start Date	Anticipated Completion Date
Task 1: Response(s) to project review team comments			mm/yy	mm/yy
Task 2: Revisions to RSWMP as necessary			mm/yy	mm/yy

Milestone #7: Proposal of the RSWMP Amendment to the Areawide WQMP

Milestone #7 will be achieved when the grantee is informed that the technical requirements of the RSWMP are met, and the amendment to adopt the RSWMP is proposed to the areawide WQMP. At this point the contract will be completed; however it is necessary for the LPA to continue to support the project until the adoption of the amendment. Once the amendment has been proposed by the LPA, there is a 30 day public comment period, during which time, a nonadversarial public hearing on the amendment or an extension on the public comment period may be requested. All comments submitted prior to the close of the comment period shall be considered by the Department in reviewing the amendment request.

Milestone 7: Proposal of the RSWMP Amendment to the Areawide WQMP				
TASK	Responsible Party	Timeframe	Anticipated Start Date	Anticipated Completion Date
Complete the Amendment to the Areawide WQMP and respond to public comments if necessary			mm/yy	mm/yy

Appendix C**Proposal Submission Checklist****Check Off if the Cover Page to your Grant Proposal Contains the Following:**

- ☐ Project Title
- ☐ Watershed Management Area of Project
- ☐ Subwatershed/s of Project Area
- ☐ HUC 11 Watershed Name and Number
- ☐ Grantee's Name, Address, Phone and Fax Numbers, and Email Address
- ☐ All Partners Listed
- ☐ The Total Project Cost
- ☐ The Grant Amount Requested

Check Off if your Scope of Work Contains the Following:

- ☐ Gap Analysis
- ☐ Root Cause Analysis
- ☐ Project Goals
- ☐ Project Objectives
- ☐ Project Tasks
- ☐ Measurable Outcomes
- ☐ References to photographs provided in an Appendix to document site conditions
- ☐ **OR**, SOW Follows the Regional Stormwater Management Plan Guidance Format

Check off if your Project Implementation Timeline Contains the Following:

- ☐ Project outputs with approximate dates they will be completed.
- ☐ Tasks to be achieved to complete the deliverables
- ☐ Parties responsible for tasks necessary to complete project outputs
- ☐ Project initiation date
- ☐ Project termination date
- ☐ Project implementation table completed for each project output

Check Off if your Letter/s of Resource Commitment:

- ☐ Are submitted from each partner identified on the cover page and in the timeline
- ☐ Describe commitment to the project detailing the contribution of time, money, or effort

Check Off if your Budget:

- ☐ Provides figures for estimated project costs associated with the cost categories listed in Section 2.1.5
- ☐ Is clearly labeled and equals the project cost

Check Off if you have also included:

- ☐ Photographs of site conditions
- ☐ USGS or State Plane map with project area delineated
- ☐ Lot and block from a tax map
- ☐ A sketch or site plan showing project-area in detail
- ☐ List of required permits, if known
- ☐ Details of any monitoring components

Appendix D

NJ Watershed Ambassador Program 2002-2003

WMA 1 - Upper Delaware - Eric Watkins - (908) 735-0733

WMA 2 - Walkill - Janet Creegan - (973) 579-6998

WMA 3 - Pompton, Pequannock, Wanaque & Ramapo - MacKenzie Hall - (973) 299-7592

WMA 4 - Lower Passaic & Saddle River - Kimberly Daly - (973) 817-5735

WMA 5 - Hackensack, Hudson & Pascack - Tara Casella - (201) 968-0808

WMA 6 - Upper & Mid Passaic, Whippany & Rockaway - Elyssa Serrilli - (973) 966-1900

WMA 7 - Arthur Kill - Aimee Petkus - (908) 527-4032

WMA 8 - North & South Branch Raritan - John Neuberger - (908) 234-1852

WMA 9 - Lower Raritan, South River & Lawrence - Jessica Johnson - (732) 745-3479

WMA 10 – Millstone - Beth Hartmaier - (609) 737-3735

WMA 11 - Central Delaware Tributaries - Dana Coyle - (609) 883-9500

WMA 12 – Monmouth - Jennifer Dufine - (732) 683-2287

WMA 13 - Barnegat Bay - Brian Senna - (732) 349-1152

WMA 14 – Mullica - Tammy West - (609) 652-1665

WMA 15 - Great Egg Harbor - Lisa Merman - (609) 272-6997

WMA 16 - Cape May - Brad Rosenthal - (609) 465-1082

WMA 17 - Maurice, Salem, Cohansey - Christina Steward - (856) 453-2169

WMA 18 - Lower Delaware - Joshua Kahan - (856) 614-3657

WMA 19 - Rancocas Creek - Jenna Wernham - (856) 983-5665

WMA 20 - Assiscunk, Crosswicks & Doctors - Tan Do - (609) 586-9603

Appendix E

Sample Maintenance & Monitoring Agreements

- The sample maintenance and monitoring agreement is provided in this packet of information are to be used as a guide to forming individual organization skeleton maintenance and monitoring agreements.
- This agreement provides a suggested structure for distinct types of project that have been funded by 319 (h) grant funds. Agreements will be tailored to specific project types.
- This agreement is not to be used as is, but is to be used as an example or variable template to serve as a starting point for grantees in the development of their own unique, project specific agreement.
- It is not to be implied that the example identified parties be responsible for the same certain aspects of every project. These merely serve as part of the example as to how the agreements may function.
- The agreement has blue wording throughout its entirety. This blue wording is to be replaced by your project specific details.
- Words in italics serve as tips and are not to be included in actual maintenance and monitoring agreements.
- Since there are such great variations in the projects funded by 319 (h) grants, the sample agreement is purposely devoid of detail. This information will have to be provided by each grantee to fully describe each project.
- Grantees are not bound to this format.

EXAMPLE BASE RESTORATION MAINTENANCE AND MONITORING AGREEMENT

(Grantee Name) Restoration Agreement

This (Type of Restoration) Restoration Agreement, dated _____, is between _____ (Cooperator) and (The Grantee).

This agreement allows (The Grantee), and volunteers under the supervision of (The Grantee) to undertake (Type of Activities) activities on land owned by the Cooperator in _____, County of _____, State of _____, known and designated as _____ Lot, _____ Block on the Municipal Tax Map. These activities are described in Appendix A and are depicted on site plan drawings, maps and/or photographs. The Cooperator agrees to place _____ (acres/linear feet), as depicted in Appendix A, under this agreement for _____ years, beginning on _____ (day/month/year) and ending on _____ (day/month/year).

In signing this agreement, the Cooperator joins as a participant in a (Type of Restoration) Restoration project and grants to (The Grantee) the authority to complete necessary (Type of Restoration) Restoration activities. The site plan drawings, maps and/or photographs included in Appendix A indicate pre- (Project) site conditions and work to be completed.

The estimated costs of the (Type of Restoration) Restoration project and the amount contributed by (The Grantee) are identified in Appendix B. Any donations of supplies, services or equipment known at this time are also identified in Appendix B.

The Cooperator grants (The Grantee) and its staff vehicular access to the site at reasonable times for conducting project-related activities including inspection of completed work and maintenance activities. The Cooperator retains all rights to control trespass at the site and retains all responsibility for taxes, assessments, granting rights of way, control and eradication of noxious weeds, and other implications of ownership.

The Cooperator assumes responsibility for all monitoring of the site after the initial *Depends on Terms of Agreement* (Type of Restoration) restoration work is completed. The Cooperator shall comply with the monitoring activities, schedule and reporting requirements as provided in Appendix C. (The Grantee) will perform reasonable maintenance of the site for (Length of Maintenance Commitment of the Grantee), then maintenance responsibilities, as outlined in Appendix C, will transfer to the Cooperator.

Modifications to the (Type of Restoration) Restoration site, including removal of any vegetative materials, that the Cooperator may want to undertake shall require the written concurrence of (The Grantee). In the event of a natural catastrophe or other natural circumstances beyond the control of the Cooperator which cause damages to the constructed or installed components of the (Type of Restoration) restoration project, the Cooperator will not be required to repair these damages.

The agreement may be modified at any time by mutual consent. Any written notice to (The Grantee) shall be sent to the (Title of Contact Person at Grantee Organization) at (Organization Address). Any written notice to the Cooperator shall be sent to

The termination date of the agreement will determine when obligations between the parties shall end. At the end of the agreement period, any (Type of Restoration) restoration developments to the land will become the property of the Cooperator. There shall be no obligation to any of the parties after the agreement has expired.

The Cooperator guarantees ownership of the above-described land and warrants that there are no outstanding rights, including easements that interfere with the rights of (The Grantee) under this agreement.

In the event that the Cooperator transfers any of the lands designated in the attached site plan map, he/she shall take such steps as are necessary to inform the purchaser of the existence of this agreement. Additionally, any deed, lease, or other instrument of transfer will be made subject to this agreement so that the new landowner shall become the Cooperator. The Cooperator will notify (Your Organization) of any changes in ownership. This agreement shall be recorded by (Your Organization), in the County Clerk's Office, promptly after the execution of this agreement.

Signature by the parties to this agreement signifies understanding of each parties' rights and responsibilities.

Cooperator

Date

Cooperator

Date

(Grantee)

Date

Appendix A

Project Site Maps

Should contain:

- 1) Tax map/s with the site/s indicated.
- 2) USGS map with the site/s indicated.
- 3) Pre-existing site conditions maps/drawings and photographs.
- 4) Proposed site conditions maps/drawings.

For Restoration Projects- species list of plants to be installed on site (native vegetation).

Appendix B

Cost Estimates, Partner Contributions

Should contain:

1) Project Budget detailing partner contributions and projected maintenance and/or monitoring costs.

Appendix C

Monitoring Schedule and Reporting, Maintenance Responsibilities

Should contain:

1) Parties responsible for monitoring and maintenance of project site.

2) Schedule for monitoring activities, what will be monitored, what techniques will be employed to monitor the site, as well as all reporting requirements. All monitoring needs to be in compliance with Department QA/QC procedures as well as any other specific monitoring guidance that may be applicable to your project (i.e. Verification Protocol).

3) Schedule and reporting sheet for maintenance activities.

Appendix F

NPS Category of Pollution

CODE DESCRIPTION

1000 Agriculture

1050 Crop-Related Sources
 1100 Non-irrigated Crop Production
 1200 Irrigated Crop Production
 1300 Specialty Crop Production
 1350 Grazing-Related Sources
 1400 Pasture Grazing - Riparian and/or Upland
 1410 Pasture Grazing - Riparian
 1420 Pasture Grazing - Upland
 1500 Range Grazing - Riparian and/or Upland
 1510 Range Grazing - Riparian
 1520 Range Grazing - Upland
 1600 Intensive Animal Feeding Operations
 1640 Confined Animal Feeding Operations (NPS)
 1700 Aquaculture

2000 Silviculture

2100 Harvesting/Restoration/Residue Management
 2200 Forest Management
 2300 Logging Road Construction / Maintenance
 2400 Silvicultural Point Sources

3000 Construction

3100 Highway/Road/Bridge Construction
 3200 Land Development

4000 Urban Runoff/Storm Sewers

4100 Non-Industrial Permitted
 4200 Industrial Permitted
 4300 Other Urban Runoff
 4400 Illicit Connections / Illegal Hook-ups / Dry Weather Flows
 4500 Highway/Road/Bridge Runoff
 4600 Erosion and Sedimentation

5000 Resource Extraction

5100 Surface Mining
 5200 Subsurface Mining
 5300 Placer Mining
 5400 Dredge Mining
 5500 Petroleum Activities
 5600 Mill Tailings
 5700 Mine Tailings
 5800 Acid Mine Drainage
 5900 Abandoned Mining
 5950 Inactive Mining

6000 Land Disposal

6100 Sludge
 6200 Wastewater
 6300 Landfills
 6350 Inappropriate Waste Disposal / Wildcat Dumping
 6400 Industrial Land Treatment
 6500 On-site Wastewater Systems
 6600 Hazardous Waste
 6700 Septage Disposal

7000 Hydromodification

7100 Channelization
 7200 Dredging
 7300 Dam Construction
 7350 Upstream Impoundment
 7400 Flow Regulation / Modification
 7550 Habitat Modification
 7600 Removal of Riparian Vegetation
 7700 Streambank Modification / Destabilization
 7800 Drainage / Filling of Wetlands
 7900 Marinas and Recreational Boating
 7910 In-Water Releases
 7920 On-Land Releases
 8000 Other NPS Pollution
 8050 Erosion from Derelict Land
 8100 Atmospheric Deposition
 8200 Waste Storage / Storage Tank Leaks (above ground)
 8250 Waste Storage / Storage Tank Leaks (underground)
 8300 Highway Maintenance / Runoff
 8400 Spills
 8500 Contaminated Sediments
 8520 Debris and Bottom Deposits
 8530 Internal Nutrient Cycling (primarily) lakes
 8540 Sediment Resuspension
 8600 Natural Sources
 8700 Recreation and Tourism Activities (non-boating)
 8710 Golf Courses
 8800 Upstream Impoundment
 8900 Salt Storage Sites
 8910 Groundwater Loadings
 8920 Groundwater Withdrawal
 8950 Other

9000 Source Unknown

Appendix G

NPS Functional Categories of Activities

000 Demonstration Projects

010 BMP/Corrective Action Activities
 011 BMP Design/Implementation
 012 BMP Performance/Assessment
 013 Livestock Management Projects
 014 Fencing for Livestock Distribution
 015 Livestock Exclusion Projects
 016 Vegetation Management/Revegetation
 017 Stream Bank Stabilization
 018 Grade Stabilization
 019 Road Sediment Control
 020 Stormwater Discharge Design/Control
 021 Erosion Control Projects
 022 Acquisition of Wetland Resources
 023 Wetland Projects
 024 Acquisition of Riparian Resources
 025 Riparian Projects
 026 Fisheries Projects
 027 Other BMP/Corrective Action Activities

Education/Information Activities

100 Statewide Education/ Information Programs
 600 Local/Specific Target/ Education/Information Programs

Technical Assistance to State/Local Govt. Activities

200 Technical Assistance to State/local
 201 Nonpoint Source Program Overall Coordination/Management
 202 Nonpoint Source Project Staffing
 230 Technology Transfer to State/Local Government
 290 Other Technical/Assistance activity (not described above)

CODE DESCRIPTION

300 Regulatory/Enforcement Activities Planning Activities

401 Nutrient Management Planning Activities
 402 Watershed Modeling (Planing) Activities
 403 Stormwater Catch Basin Planning Activities
 404 Watershed Restoration Action Strategy
 410 Geographic Information System Activities
 420 Basin Planning Activities
 430 TMDL/WLAS Planning Activities
 490 Other Planning Activities (not described above)

BMP/Corrective Action Activities

Water Quality/Assessment/Monitoring Activities

501 Instream Flow Assessments
 502 Assessments for Compliance with Water
 Quality Standards
 503 Wetland Assessment/Monitoring
 504 Riparian Assessment/Monitoring
 505 TMDL Assessments
 510 Water Quality Trend Assessment
 Activities
 520 Water Quality Problem Identification
 590 Other W Q Assessment/Monitoring

Activities (not described above)

700 Watershed Projects
 800 319(h) National Monitoring Project
 910 Ground Water

